

Handbook on Industrial (Cont.)

SOV/1585

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AVAILABLE: Library of Congress

JG/mal
7-16-59

Card 17/17

ERMAN, Iosif Mikhaylovich, doktor med. nauk; RAYLO, P.I., red.;
BRUSHTEYN, A.I., red. izd-va; ISIEN'TYEVA, P.G., tekhn. red.

[Mechanization, automation, and improved sanitation of work
conditions in ferrous metallurgy] Mekhanizatsiya, avtomatiza-
tsiya proizvodstva i ozdorovlenie usloviy truda v chernoi me-
tallurgii. Moskva, Metallugizdat, 1962. 59 p. (MIRA 15:7)

(Iron industry--Hygienic aspects)
(Steel industry--Hygienic aspects)
(Automation)

RAYLO, P.I.; ZHILO, M.Ye.; BRUSHTEYN, A.I., red. izd-va; DUBUZHINSKAYA,
L.V., tekhn.red.

[Handbook on labor protection and safety engineering] Spravochnik
po okhrane truda i tekhnike bezopasnosti [Sost. P.I.Railo, M.E.
Zhilo] Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i
tsvetnoi metallurgii, 1958. 470 p. (MIRA 12:1)
(Metallurgical plants--Safety measures)

134-1c 121
MALYKH, Aleksandr Aleksandrovich; SPIRINA, Anna Maksimovna; SMOL'NIKOV,
Nikolay Ivanovich; RAYLO, P.I., red.; KHUTORSKAYA, Ye.S., red.
izd-va; MIKHAYLOVA, V.V., tekhn.red.

[Safety measures in open-hearth furnace ships] Okhrana truda v
martencovskikh tsekhakh. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry
po chernoi i tsvetnoi metallurgii, 1957. 194 p. (MIRA 11:5)
(Open-hearth furnaces--Safety measures)

RAYKHER, S.A.; RAYLO, P.I.

"Principles of safety techniques" B.M. Zlobinskii. Reviewed
by S.A. Raikher, P.I. Railo. Stal' 16 no.7:668-669 Jl '56.
(MLRA 9:9)

1. Ministerstvo chernoy metallurgii SSSR.
(Metallurgical plants--Safety measures)
(Zlobinskii, B.M.)

BERG, I.A., inzhener; RAYLO, P.I., redaktor; AVRUTSKAYA, R.F., redaktor;
BEKKER, O.G., tekhnicheskij redaktor

[Safety engineering in the metallurgy of ferrous metals] Tekhnika
bezopasnosti v chernoi metallurgii. Moskva, Gos. nauchno-tekhn.
izd-vo po chernoi i tsvetnoi metallurgii, 1954. 205 p. (MLRA 7:9)
(Metallurgy--Safety measures)

MALYKH, Aleksandr Aleksandrovich; RAYLO, P. I., redaktor; AVRUTSKAYA, R.F.,
redaktor izdatel'stva; MIKHAYLOVA, V.V., tekhnicheskiy redaktor

[Labor protection during the repair of blast furnaces] Okhrana truda
pri remonte martenovskikh pechei. Moskva, Gos. nauchno-tekhn. izd-vo
lit-ry po chernoi i tsvetnoi metallurgii, 1955. 114 p. (MLRA 9:12)
(Blast furnaces--Repairing)

RAYLO, P.I.; ZHILU, M.Ye.; BRUSHTEY N, A.I., red. izd-va; DOBUZHINSKAYA,
L.V., tekhn. red.

[Manual for labor protection and safety engineering] Spravochnik
po okhrane truda i tekhnike bezopasnosti. Moskva, Metallurgizdat,
1962. 478 p.
(Industrial safety) (Industrial hygiene)

MKRTCHYAN, V.; RAYLYAN, A.

Fixture for boring camshaft bushings. MTS 18 no.8;42 Ag '58
(MIRA 11;9)

1. Mankentskiy remontnyy zavod, Kazakhskoy SSR.
(Drilling and boring machinery)

ALIKIN, R.I.; GORDIYENKO, P.I.; BESPROVANNYY, I.G.; ZHIBTSCOV, P.P.;
ZOLOTAEV, P.A.; ZUSMANOVSKAYA, L.L.; IBRAGIMOV, K.G.; KOZOREZOV,
M.A.; KOKOREV, A.T.; KUPIRIANOV, Yu.V.; KURGCHKA, A.L., kand.
tekhn. nauk; LITVINNOVA, L.M.; LOZANOVSKIY, A.L., kand. tekhn.
nauk; MAVDRIKOV, F.I.; MAKHAN'KOV, L.V.; PUKALOV, V.I.; RAYLYAN,
A.F.; SVERDLOV, V.Ya.; SKLYAROV, B.S.; SOLOV'YEV, K.M., kand.
tekhn. nauk; STUKALKIN, A.N.; SUROVIKOV, A.A.; TIKHONOV, N.G.;
SHTEFENKO, P.K.; YANOV, V.P.

[VIZO electric locomotive.] Electrovoz VAPO. Novecherkassk. Nauchno-
issledovatel'skii institut elektrovozostroeniia. Sbornik nauchnykh
trudov, vol. 5) (MIRA 18:5)

MKRTCHYAN, V.M.; RAYLYAN, A.N.

Shell casting of nozzles for andslingers and shot peening
equipment. Lit. proizv. no. 8:46 Ag '60. (MIRA 14:2)
(Steel castings)

RAYLIAN, N.I.

Two cases of heart wound suturing. Khirurgiia no.8:71 Ag. '55.
(MIRA 9:2)

1. Iz khirurgicheskogo otdeleniya 3-y gorodskoy bol'nitsy
G. Nikolayeva.
(HEART--SURGERY)

SHARYA, Yu. V.

SHARYA, Yu. V. - Inzh. i, KLIBEV, S. L. - St. nauchn. setr., KALYAN, V. F. - Prof.

Leninradskiy filial akademii arkhitektury SSSR.

Predlozheniya po tipam konstruktsiy dlya Massovogo zh lishchnogo stroitel'stva v
Leningrade

Page 68

SO: Collection of Annotations of Scientific Research Work on Construction,
completed in 1950. Moscow, 1951

SHARYY, Yurii Viktorovich, kandidat tekhnicheskikh nauk; RAYLYAN, V.F., professor, nauchnyy redaktev; KARPOV, V.V., redaktev izdatel'stva; PUL'KINA, Ye.A., tekhnicheskiy redaktev.

[Tower cranes in large panel construction] Bashennye krany na krupnoblochnom stroitel'stve. Leningrad, Gos.izd-vo lit-ry po stroit. i arkhitekture, 1956. 42 p. (MLRA 9:6)
(Cranes, derricks, etc.)

RAYLYAN, V. F.

NEKRASOV, YE. M., Kand. Tekhn. Nauk St. Nauchn. Sotr. i RAYLYAN, V. F., Prof.
Leningradskiy filial Akademii arkitektury SSSR

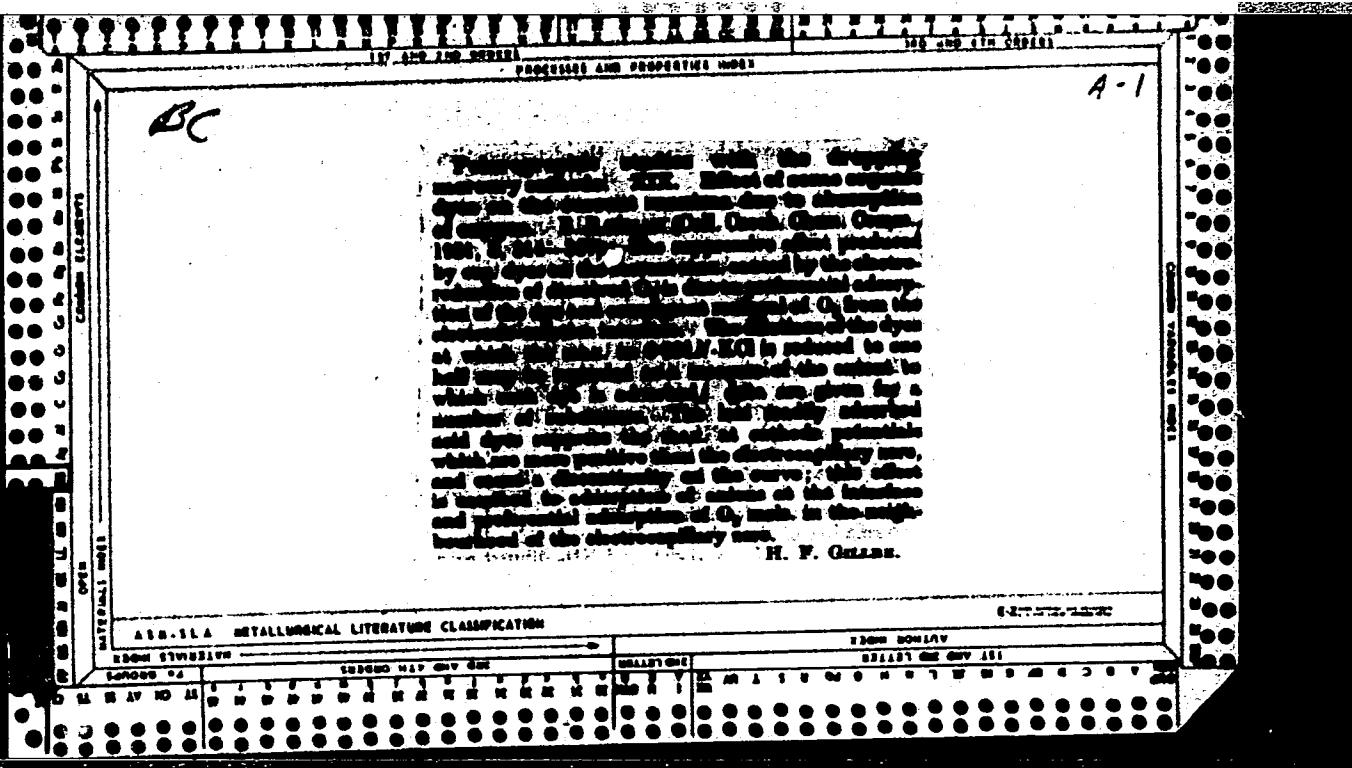
PARAMETRY POD'YEMNO-TRANSPORTNYKH MEKHANIZMOV

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SP: Collection of Annotations of Scientific Research Work on Construction,
Completed in 1950,
Moscow, 1951

KHRUSTALEV, S.S.; RAYLYAN, V.F., professor, redaktor.

[Using gypseous stone for building facings] Primenenie gipsovogo kamnia dlia
otdelki zdanii. Pod red. V.F.Railiana. Leningrad, Gos.izd-vo lit-ry po
stroitel'stvu i arkhitekture, 1953. 41 p. (MLRA 6:12)
(Gypsum) (Façades)



M

Country : HUNGARY
Category: Cultivated Plants. Fruits. Berries.

Abs Jour: RZhBiol., No 22, 1958, No 100444

Author : Rayman, Janos

Inst : -
Title : Diseases of Fruit Trees in Connection with
Micronutrient Deficiency.

Orig Pub: Korteszet es szölcszet, 1958, 7, No 1, 8-9

Abstract: No abstract.

Card : 1/1

KATS, A.; KRICHESKIY, I.; RAYMAN, R. (Kiyev)

Vending machine for selling milk in glasses. Sov. torg. 33 no.5:
44-46 My '60. (MIRA 13:11)
(Kiev--Vending machines)

RAYMAN, V.

Pneumatic conveying and its applications. p. 176.

ZDRAVOTNI TECHNIKA A VZDUCHOTECHNIKA. (Ceskoslovenska akademie ved. Ceskoslovenska vedecka technicka spolecnost pro zdravotni techniku a vzduchotechniku) Praha, Czechoslovakia. Vol. 2, no. 4, 1959.

Monthly list of East European Accessions (EEAI), Vol. 9, no. 1, Jan. 1960

Uncl.

RAYMAN, V.

Contribution to the solution of high-pressure pneumatic-tube transportation by means of dual-chamber feeders. p. 233.

ZDRAVOTNI TECHNIKA A VZDUCHOTECHNIKA. (Ceskoslovenska akademie ved. Ceskoslovenska vedecka technicka spolecnost pro zdravotni techniku a vzduchotechniku) Praha, Czechoslovakia. Vol. 2, no. 5, 1959.

Monthly list of East European Accessions (EEAI), Vol. 9, no. 1, Jan. 1960

Uncl.

CZECHOSLOVAKIA

RAYMAN, Vaclav, Engr, ZVVZ [not identified].

"Calculation and use of the Limiting Nozzles and Orifice Plates"

Prague, Zdravotni Technika a Vzduchotechnika, Vol 6, No 4, 1963,
pp 166-173.

Abstract [Author's Czech summary]: Basic equations are presented for calculating the air flow through normal and enlarged nozzles and limiting orifice plates adjusted for the use in air engineering. Included are essential data on the design, manufacture, and assembling of the limiting nozzles and orifice plates used in pneumatic conveying systems. One Czech reference.

1/1

RAYMAN, Vatslav [Raiman, Vaclav], inzh. (Chekhoslovakiya)

Unpackaged transportation of powdered materials with pneumatic
unloading. Mekh. trud. rab. 12 no.8:43-45 Ag '58. (MIRA 11:9)
(Czechoslovakia--Cement--Transportation) (Czechoslovakia--Tank cars)

SHIGANOV, N.V.; RAYMOND, E.D.

Electric arc welding of sheet metal using a thin electrode wire.
Avtom. svar. 11 no.5:92-96 My '58. (MIRA 11:6)
(Electric welding) (Sheet steel--Welding)

Shiganov, N.V., and Raymond, E.D. 125-58-5-13/13

AUTHORS: Shiganov, N.V., and Raymond, E.D.

TITLE: Electric Arc Welding of Thin-Sheet Metal With a Thin Electrode Wire (Elektrodugovaya svarka tonkolistovogo metalla tonkoy elektrodnnoy provolokoy)

PERIODICAL: Avtomaticheskaya Svarka, 1958, Nr 5, pp 92-96 (USSR)

ABSTRACT: The automatic welding device "ADMT-100" and the technology described in the article were developed after experiments conducted in 1954-1956. The device can be used for automatic and semi-automatic flux, as well as for shielded arc welding with electrode wires of 0.5, 0.3 and 0.2 mm diameter, without copper or other supports on the rear side of thin sheets being joined. The base metal can be 1.5 mm and thinner. This pistol-gripped welder permits welding in difficult positions, and can be used also for automatic welding when it is attached to a carriage. The conventional hoses are eliminated by mounting a small wire reel and a small wire feed-motor directly on the welding head. The device is shown in the drawing (Fig. 1). The operation technology for butt and lap welds on thin sheet steel is shown in a chart along with macro-

Card 1/2

125-58-5-13/13

Electric Arc Welding of Thin-Sheet Metal With a Thin Electrode Wire
photographs of resulting joints. There are 2 figures and
1 chart.

SUBMITTED: October 16, 1957

AVAILABLE: Library of Congress

Card 2/2

SHIGANOV, N.V., kand.tekhn.nauk; RAYMOND, E.D., inzh.

Measuring arc pressure in welding in an atmosphere of argon
and under flux. Svar. proizv. no.12:13-17 D '57. (MIRA 11:1)
(Electric welding) (Protective atmospheres)

RAYMOND E.D.

135-12-4/17

AUTHOR: Shiganov, N.V., Candidate of Technical Sciences, and Raymond,
E.D., Engineer

TITLE: Arc Pressure Measurement in Welding in Argon Medium and Under
Flux (Izmereniye davleniya dugi pri svarke v srede argona i
pod flyusom)

PERIODICAL: Svarochnoye Proizvodstvo, 1957, # 12, p 13-17 (USSR)

ABSTRACT: The described experiments were performed in the course of development work on welding technology for an intricate thin sheet (1-2 mm) design. The material frequently burned through in all attempts of automatic welding, even when a copper underlay plate was used. Only welding in argon with a non-melting electrode was successful. It was then assumed that the major cause of burning-through in the former attempts was the arc pressure, and that successful welding of such thin material could be possible also in other ways than with a tungsten electrode in argon, as for instance welding under flux or in CO₂, provided the arc pressure is sufficiently low. The A.V. Petrov's "quadrant balance" (Ref. 8) for measuring the arc pressure (on a vertical wall) was modified as shown by a schematic.

Card 1/2

RAYMOND, T. Yu., Cand Med Sci -- (diss) "Vitamins C and B₁ in the cerebrospinal fluid of patients sick with syphilis and the effect of antisyphilitic treatment on the maintenance of the vitamins in the fluid." Gor'kiy, 1960. 11 pp; (Gor'kiy State Medical Inst im S. M. Kirov); 350 copies; price not given; (KL, 50-60) ^{e/36}

1941, 1942.

1941, 1942. "The first and most important task of the Soviet government is to fight," he said, "the German fascists. The second is to defend the Soviet Union against the American and British aggressors." (See also V. M. Kirov, issue 12, 1941, p. 114-1)

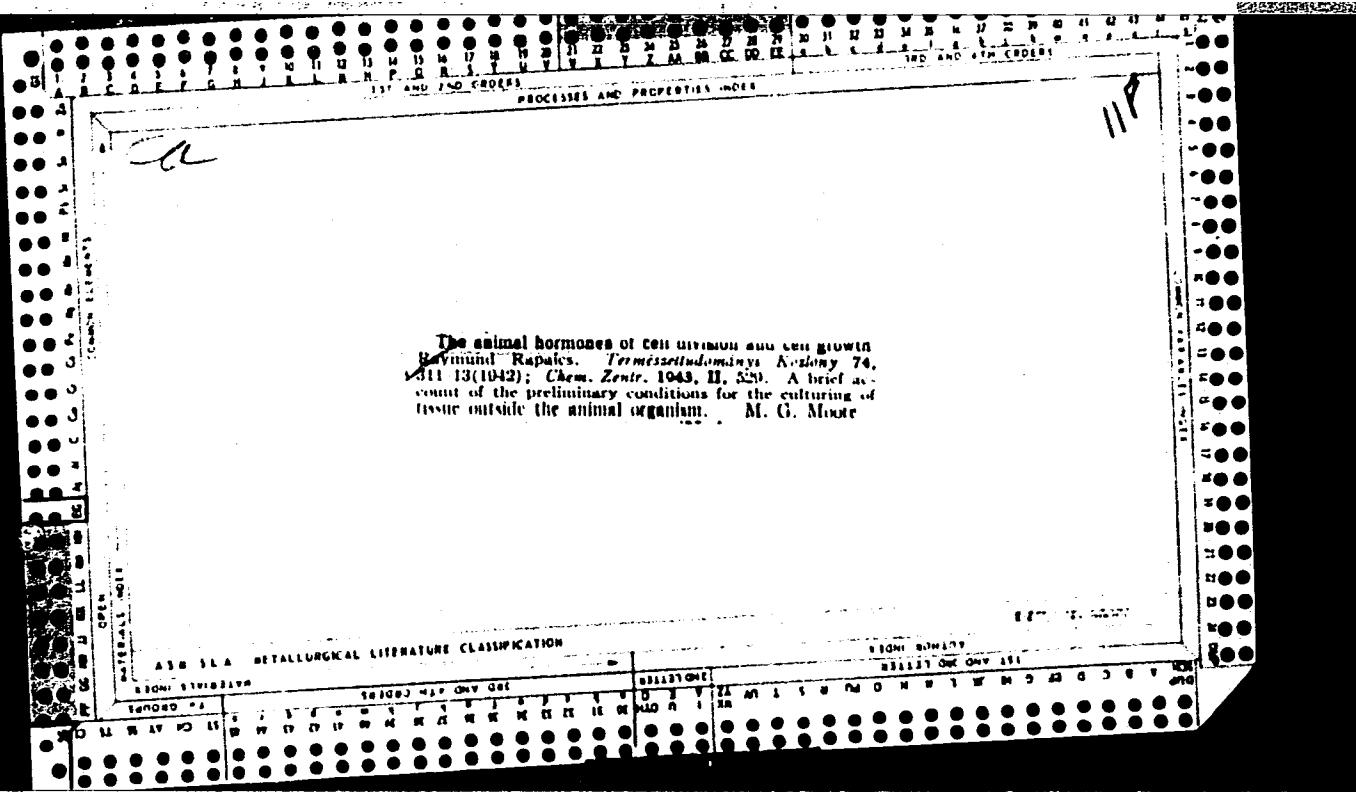
SG: L-176, 1-A mil 17/2, (Lettoric 'Zhurnal 'Vysok Statutu', No. 1, 1942)

RAYMOV, R.

New methods of taking population census of the lesser suslik
(*Citellus pygmaeus* Fall.). Uzb.biol.zhur. no.3:43-47 '58.
(MIRA 11:12)
1. Vsesoyuznyy nauchno-issledovatel'skiy institut zashchity
rasteniy i Institut zoologii i parazitologii AN USSR.
(Susliks)

Root-developing substances. Raymund Rapacs.
Potfüzetek Termeszettud. Kozlonyhos 70, 115721(1937);
Chem. Zentr. 1939, I, 3309.—A general discussion of the
action of the root-developing plant hormones (auxin, etc.)
and hormone-like substances (β -indolylacetic acid).

CLASSIFICATION



RAYN, M. M.

Khorochin, M. G.

"Prevention of syphilis in children." Reviewed by Prof. M. M. Rayn. Pediatriia no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952. UNCLASSIFIED.

RAYNAL, R.

Periglacial phenomena in Morocco and their place in the morphologic evolution.

p. 143.
(BISULETYN PERYGLACJALNY. No. 4, 1956, Poland)

SO: Monthly List of East European Accessions (EHAL) LC, Vol. 6, no. 6, June 1957, Uncl.

LAVRAUD, Henri

Insurance, Social

Essence and significance of social insurance. Vses. prof. dvizh. No. 7, 1953.

Monthly List of Russian Acquisitions, Library of Congress, June 1953. Uncl.

RAYNAUD, Henri, sekretar'.

29th Congress of the French General Confederation of Labor. Vsem.prof.
(MLRA 6:7)
dvizh. no.14:23-28 Jl '53.

1. Vseobshchaya konfederatsiya truda. (France--Trade-unions--Congresses)
(Congresses--Trade-unions--France)

MANILOVA, R.Z., kand. tekhn. nauk; RAYBEN, Z.V., inzh.

Action of present-day rolling stock on bridges. Sbor. trud.
LIZiT no. 228:72-87 '64.

Example of the recomputation of 109.2 m. metal spans. Ibid.
80-124 (MPA 18:12)

TATUNIN, A.T., nauchn. sotr.; MANILOVA, R.Z., nauchn. sotr.;
ROVNYY, A.A., nauchn. sotr. Prinimali uchastiye:
KOZ'MIN, Yu.G.; RAYNEN, Z.V.; SHEYAKIN, O.S.;
BELOGOLOVYY, A.A.; KHARO, Ye.N.; SHERSHNEV, N.N.;
NEKLEPAYEVA, Z.A., red.

[Guide for the determination of the load capacity of
metal spans of railroad bridges] Rukovodstvo po opredeleniu
gruzopod'emmnosti metallicheskikh proletnykh stroenii
zheleznodorozhnykh mostov. Moskva, Transport, 1965. 255 p.
(MIRA 18:10)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye puti i
sooruzheniy. 2. Nauchno-issledovatel'skiy institut mostov
Leningradskogo instituta inzhenerov zheleznodorozhnogo
transporta (for Tatunin, Manilova, Rovnyy,

RAYNER, A.

~~How we work. Stroitel' no.3:10-11 Mr '57.~~

(MIRA 10:4)

1. Rukovoditel' brigady instruktorov instituta Orgstroy Ministerstva
stroitel'stva predpriyatiy metallurgicheskoy i khimicheskoy pro-
myshlennosti SSSR.
(Plaster board)

Rainer, B.S.

✓ 1068 AEC-tr-2306

INVESTIGATIONS OF THE (γ ,p) REACTION IN COPPER.

E. M. Leikin, R. M. Osekhina, and B. S. Rainer. Translated from Doklady Akad. Nauk S.S.R. 102, 245-6 (1965). Sp. Available from Consultants Bureau, New York.

An abstract of this paper appears in Nuclear Science Abstracts as NSA 9-5808.

(2)

SOURCE CODE: UR/0413/66/COU1

ACC NR: AP0018015

INVENTOR: Rayner, L. S.

ORG: None

TITLE: A calendar clock. Class 83, No. 182057

SOURCE: Izobreteniya, promyshlennye obraztsy, tovarnyye znaki, no. 10, 1966, 152

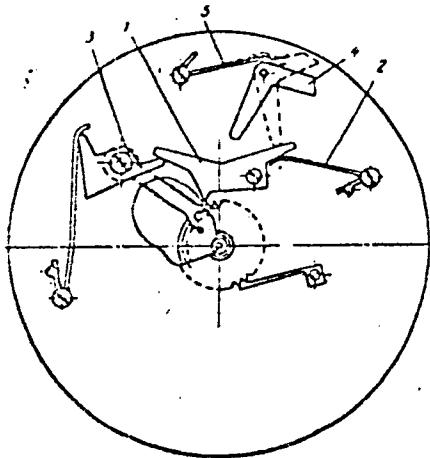
TOPIC TAGS: clock, timepiece, time interval counter

ABSTRACT: This Author's Certificate introduces: 1. A calendar attachment for clock mechanisms which is driven by the hour wheel. The unit contains a lever with two teeth, a spring-loaded stop, mainspring and calendar sprocket with ratchet gearing. This sprocket carries the date indicator. The device is designed for instantaneous date change and reduction of the load on the primary clock mechanism. The attachment incorporates a shift mechanism made in the form of a multiple-arm lever. 2. A modification of this attachment in which the date indicator may be set without interfering with the primary clock mechanism by using a correction unit made in the form of an angle lever with a spring for interaction with the cocking device.

UDC: 681.117

1/2

ACC NR: AP6018015



1--multiple-arm cocking device; 2--mainspring; 3--multiple lever; 4--angle lever;
5--spring

SUB CCDE: 13, 14/ SUBM DATE: 10Mar66

Card 2/2

PANFILOVA, N.D.; RAYNER, M.M.

Antenna switch for the decimeter wave band. Izv.vys.ucheb.zav.;
radiotekh. no.4:501-503 Jl-Ag '58. (MIRA 11:11)

1. Rekomendovana Vtoroy Vsesoyuznoy konferentsiyey Ministerstva
Vyshego obrazovaniya SSSR po radiotekhnike.
(Radio, Shortwave--Antenna)

SOV/142-58-4-17/30

AUTHOR: Panfilova, N.D., Rayner, M.M.

TITLE: Construction of an Antenna Switch for the Microwave Band (Konstruktsiya antennogc pereklyuchatelya detsimetrovogo diapazona voln)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Radiotekhnika, 1958, Nr 4, pp 501-503 (USSR)

ABSTRACT: The paper discusses the design of discharge switches, where the discharge gap is separated from the wave-guide. A duplexer design is investigated in which the specific properties of the microwave band are taken into consideration: the possibility of separating the discharge gap from the wave-guide, typical for magnetrons in this wave band, a coaxial-wave-guide lead and larger dimensions for all wave-guide elements. Reduction of the switch's dimensions is achieved by a more compact arrangement of all elements. The simplified and more accurate substitute circuit diagram is investigated, as well as, by way of comparison, the

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6(4)
AUTHORS:

Rayner, M.M., and Dukhovnikova, I.A.
SOV/142-58-6-2/20

TITLE:

Measurement of the Parameters of the Energy Lead-offs of VHF Instruments by Means of a Balanced Transformer (Izmereniye parametrov vyvodov energii SVCh priborov metodom simmetrichnogo transformatora)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy - Radiotekhnika, 1958, Nr 6, pp 647-652 (USSR)

ABSTRACT:

One of the problems, arising in connection with VHF energy lead-offs, is that of creating a matching transfer between lines of standard cross-section, leading to the load, and lines, joined to a generator, which, as a rule, are of non-standard cross-section, which complicates measurement of the necessary parameters. The article proposes a method of measuring the parameters without the use of apparatus of non-standard cross-section. Direct investigation of non-energy lead-offs is replaced by study of a balanced device (Figure 1), formed of two identical lead-offs

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SOV/142-58-6-2/20

Measurement of the Parameters of the Energy Lead-offs of VHF
Instruments by Means of a Balanced Transformer

of non-standard cross-section, the ends of which are joined, and of a system which is formed of this transformer by means of simple alterations performed on it. The parameters of such a balanced transformer - two in all - are easily measured. A half of this balanced transformer is defined by three parameters, though but one of them is considered of prime importance, the parameter y - important as a measure of the quality of the match obtained. Determination of the characteristics of a half of the balanced transformer is accomplished through a further experiment, two variants of which are described by the authors in two supplements to the article, as well as in the main text. In the first variant the parameters of a new balanced transformer, formed by adding a segment of non-standard cross-section to the old one, are measured. The second variant is for the case where it is un-

Card 2/3

RAYNER, M.M.; DUKHOVNIKOVA, I.A.

Measuring the parameters of power leads from ultrahigh-frequency devices by means of symmetric transformers. Izv.vys.ucheb.zav.; radiotekh. no.6:647-652 N-D '58. (MIRA 12:4)

1. Rekomendovana Vtoroy Vsesoyuznoy konferentsiyey Ministerstva vysshego obrazovaniya po radioelektronike.
(Microwaves--Measurement)

SUBMITTED: December 7, 1957 SOV/109-3-22/23
 AUTHORS: Golubov, P.V. and Tsvirkin, Sh. Ye.
 TITLE: The Second All-Union Conference on Radioelectronics of the Ministry of Hishar USSR (Vtoraya vsesoyuznaya konferentsiya MVO SSSR po radioelektronike)
 - New Item

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol. 3, Nr. 3,
 pp 440 - 444. (ISSN)

ABSTRACT: The conference took place during September 23 - 29, 1957, at Saratovskiy Gouudarzhevuny Universitet (and N.G. Chernyshhevskiy (Saratov State University) and the scientific research Institute of Soviet and Ukrainian Academicians of Sciences, Tsvetov Institute). This establishment financed the interest. This arrangement financed the discussion and evaluation of the papers presented and permitted the determination of plans for the future research to be carried out by the universities in the field of radioelectronics.

A.I. Duryay proposed (and proved by means of the reciprocity theorem) an interference method of the "cold" investigation of delay systems. The method permits the measurement of electrical characteristics of delay systems, given a high accuracy, and requires comparatively little effort. The paper "Production of Periodic Structures by Means of Ultrasonics" by I.A. Gerashchenko devoted to the experimental investigation of an interesting modification of a periodic structure, i.e., a regular waveguide filled with a liquid in which an ultrasonic standing wave was excited. V.P. Sasayev described the results of an investigation of the distribution of electric fields in a number of important delay systems (comb, stub systems, etc.) by means of two methods (probes with a high-resistance input) and small perturbing objects. The author also obtained the distributions of tangential components of the electric fields along certain boundary surfaces, which was of considerable interest. In a number of cases, the author also measured the coupling impedance. Some of the lectures were devoted to the problems of diffraction patterns of antennas. Here one should mention the papers by Ya.N. Vasil'yan and S.M. Verekin, dealing with the excitation of the solitons of revolution. The analysis of the oscillations in N-type and toroidal volume resonators and in the type and cross-shaped waveguides was given in the papers by V.I. Patrushev and V.N. Sedikh, respectively. A number of the papers in the Electrodynamical Section deal with the complex phenomena occurring at the junctions of waveguides. Here, it is necessary to mention the paper "The Calculation of the Coupling Coefficients" by V.M. Furman; "The Problem of Construction of Certain Waveguide Matching Devices" by Yu.V. Aksilov and T.D. Luchinskii; "Measurement of the Parameters of the Energy Outputs of U.H.F. Devices by Means of a Symmetrical Transformer" by I.A. Dubovikova and K.M. Palyan. The behaviour of various substances in electromagnetic fields at U.H.F. was discussed in the papers of O.V. Karpova, U.P. Radin, I.A. Shakhman, A.I. Polashchikov, A.L. Levinson, N.S. Sosletskaya and A.A. Kurnetsov.

The paper of N.G. Burev and his collaborators described the principle of operation of a molecular clock having an accuracy of 10^{-9} . The results of a theoretical investigation of the molecular radiation in light-frequency fields were given in the papers of V.M. Fayn, entitled "Radiation of the Molecules in Strong High-frequency Fields and The Spontaneous Radiation of Molecules at Ultra-high Frequencies". In the second of the above papers, the author came to the conclusion that the width of the spectral line of the spontaneous radiation at U.H.F. is finite. The author also proposed a classical analogy for the phenomenon of coherence in the spontaneous radiation.

Card 7/16
 CIA (7/16)

KAYNER, N.L., kand.med. nauk

Sarcoidosis of the nose and pharynx. Vest. otorin. no.1:
(MIRA 16:9)
93-95 '63.

1. Iz kliniki bolezney ukha, nosa i grila (zav. kafedroy -
dotsent V.A.Simolin) Gor'kovskogo meditsinskogo instituta.
(GRANULOMA BENIGNUM) (NOSE--DISEASES)
(PHARYNX--DISEASES)

EXCERPTA MEDICA Sec.11 Vol.11/5 Oto-Rhino-Laryngology May 53

RAYNER N. L.

890. DISTURBANCES OF HEARING IN VASCULAR DISEASES OF THE CNS
(Russian text) - Rayner N. L. Gorky - VESTN. OTO.-RINO-LARING. 1957.
5 (93-97) Graphs 2

Out of a group of patients afflicted with vascular diseases of the CNS 40 persons were picked out for investigations. They had a peculiar deficiency in hearing: along with an almost normal perception of sound (audiometry and tuning forks) the perception of whispering was impaired. Investigation revealed that such dissociation of hearing occurs not only in hypertensive vascular disease, but also in arteriosclerosis, endarteritis, syphilis of the brain, etc. (XI, 8, 18*)

RAYNER, N. L.

RAYNER, N. L., kand.med.nauk

Hearing disorders in vascular diseases of the central nervous system
[with summary in English]. Vest.oto-rin. 19 no.5:93-97 8-0 '57.
(MIRA 10:11)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. A.A. Atkar-
skaya) Gor'kovskogo meditsinskogo instituta.
(VASCULAR DISEASES, PERIPHERAL, compl.
hearing discord.)
(HEARING DISORDERS, etiol. and pathogen.
vasc. dis., peripheral)

RAYNER, N.L., kand.med.nauk

Experience in treating cochleovestibular disorders on the basis
of vascular diseases of the central nervous system. Vest,otorin.
(MIRA 13:11)
22 no. 5:32-34 S-O '60.

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - prof. A.A.
Atnarskaya) Gor'kovskogo meditsinskogo instituta.
(LABYRINTH (EAR)--DISEASES) (PILOCARPINE) (BRAIN)

RAYNERMAN, I. G., ¹ tel. ext. 4-5000¹

Replacement of a single match with a button. Avtem., telem. i sviaz'
(MTBA 18:5)
g no. 4:45 Ad 165.

2. Odesskaya distantsiya Odessko-Kishinevskoy doregi.

RAYNERMAN, P.O., elektromekhanik radiosvyazi

Repair of the O4R-1 transmitter-receiver. Avtom.,
telem. i sviaz' 9 no.12:31 D '65.

(MIRA 19:1)

1. Odesskaya distantsiya Odessko-Kishinevskoy dorogi.

BRUTMAN, Ye.I.; BENDERSKAYA, A.S.; STEPANOVSKAYA, D.L.; RAYNERMAN, R.I.

Diagnostic significance of agglutination reaction in dysentery. (Authors' abstract). Zhur.mikrobiol.epid.i immun. no.3:26-27 Mr '53. (MLRA 6:6)

1. Odesskiy institut epidemiologii i mikrobiologii imeni Mechnikova.
2. Klinika detskikh bolezney lechebnogo fakul'teta Odesskogo meditsinskogo instituta. 3. Pervaya infektsionnaya bol'nitsa. (Dysentery) (Agglutination)

86. Investigation of the Toxicity of Methyl Methacrylate

"Data on the Characteristics of the Toxicity of Methyl Methacrylate in Work Conditions at a Dental Materials Plant," by L. A. Raynes (Kharkov), Chair of Labor Hygiene Kharkov Medical Institute, Gigiiena Truda i Professional'nyye Zabol-evaniya, Vol 1, No 1, Jan/Feb 57, pp 56-57

In 1940, L. Z. Ponomareva-Astrakhantseva established that methyl methacrylate was a toxic poison with a toxicity greater than that of carbon tetrachloride, gasoline, and other poisonous substances. Methyl methacrylate is a colorless liquid with a characteristic odor. It is readily soluble in organic solvents, but poorly soluble in water. Its specific gravity is 0.95; boiling point, 100.3 degrees. Its vapor tension is 35 millimeters of mercury at 20 degrees, and its volatility at 20 degrees is 192 milligrams per liter.

Observations conducted by B. D. Karpov to determine the effect of methyl methacrylate on the human organism established that vapor concentrations of 0.5 to one gram per liter caused irritation of the mucous membrane of the eyes and the upper respiratory organs. Contact of liquid methyl methacrylate with the skin caused hyperemia; contact with the eyes caused conjunctivitis. The inhalation of the vapors of the chemical in concentrations of 0.5 to one milligram per liter for period of 20 to 90 minutes caused mild intoxication expressed by weakness, dizziness, headache, nausea, and sleepiness. Occasionally there was vomiting and loss of consciousness. The allowable limit of concentration of the vapors of the chemical in the air was established at 0.05 milligrams per liter.

(U)

Sum 1/24

GABERTSETTEL', A.I.; KREL'SHTEYN, L.M.; NEV, S.B.; RAYNES, L.S.;
RYZHIK, Z.M., red.; FOMICHEV, A.G., red. izd-va; GVIRTS, V.L.,
tekhn. red.

[Preparing rods for welding electrodes by the rolling of high-alloy steel and nonferrous metals] Poluchenie sterzhnei dlia svarochnykh elektrodov prokatkoi iz vysokolegirovannykh stalei i tsvetnykh metallov. Leningrad, 1962. 15 p. (Leningradskii dom nauchno-tehnicheskoi propagandy. Obmen peredovym opyтом. Seria: Svarka i paika metallov, no.2) (MIRA 15:5)
(Electrodes) (Rolling (Metalwork))

RAYNES, M.M.

✓ Application of qualitative reactions of copper and nickel for colorimetric determination. M. M. Raynes and Yu. A. Larionov. Trudy Komissii Anal. Khim., Akad. Nauk S.S.R., Inst. Geokhim. i Anal. Khim. 7, 295-99 (1958).—To 10 ml. of CuSO_4 (0.2-5 mg.) soln. add 1 ml. of 0.1% hydroquinone in 0.01*N* HCl soln., 1 ml. 5% of pyridine soln., and 1 ml. 0.1% H_2O_2 . After 1 min. add 1 ml. 5% AcOH soln. and immediately measure the intensity of the brown color photocolorimetrically with the blue light filter. It was found that 500 mg./l. of Cl^- , 10 mg./l. SO_4^{2-} , 10 mg./l. Ba^{++} , 10 mg./l. Al^{+++} , and 10 mg./l. Mg^{++} do not interfere with the intensity of the color.; 10 mg./l. of Ni gave the same color as 0.1 mg./l. Cu^{++} , and 10 mg./l. Fe^{+++} , the same as 1 mg./l. Cu^{++} . The accuracy of the detn. depends on the acidity of the medium; the most favorable is at pH = 3-3.5. The reagent for Ni was prepd. as follows: a mixt. of 3.75 ml. 40% freshly distd. formalin, = 3.6 g. of hydroxylamine-HCl, and 3.75 ml. H_2O was heated to the boiling point. The higher intensity of color was observed when 1 drop of reagent was added to the 10 ml. (0.1-4 mg.) NiSO_4 soln. in the presence 0.4-1.0 ml. *N* NaOH soln. A greenish yellow color was measured without a filter. N. Charmandarin

RAYNES, I.S.

SHIBALOV, V.I., kand. tekhnicheskikh nauk; OBRAZTSOV, S.A., redaktor;
RAYNES, I.S., redaktor; BORISOV, A.S., tekhnicheskiy redaktor

[Organization and mechanization of sawmill work.] Organizatsiia i
mekhanizatsiia v lesopilenii. Moskva, Gos. izd-vo mestnoi pro-
myshlennosti RSFSR, 1955. 259 p. (MIRA 9:1)
(Sawmills)

Раны: 5. I.

LIVSHITS, M.L.; KOLOTUKHIN, I.N.; KISELEV, V.S., doktor khimicheskikh
nauk, professor, redaktor; RAYNES, I.S., redaktor; MEL'NIKOVA,
N.V., tekhnicheskiy redaktor

[Painting and finishing articles for mass consumption] Okraska
i otdelka izdelii massovogo potrebleniia. Pod red. V.S. Kiseleva
Moskva, Gos. izd-vo mestnoi promyshl. РСФСР, 1955. 295 p.
(Painting, Industrial) (MLRA8:10)

RAYNES, L.S.; GABERTSETTEL', A.I.; KONDRAT'YEVA, Z.S.

Effect of the thermal treatment of molten metal on the properties
of the alloy Br. ANMts 8.5-7.5-1.5. Lit.proizv. no.7:36-38 Jl '61.
(MIRA 14:7)

(Bronze) (Pounding)

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ACCESSION NR: AP5014496

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41
B

AUTHORS: Raynes, L. Yu.; Makarevich, A. I.

TITLE: An electron gun for zone refining without a crucible

SOURCE: Zavodskaya laboratoriya, v. 31, no. 6, 1965, 748-749

TOPIC TAGS: ¹⁴electron gun, zone refining, power control, ¹⁶electron beam control, melting, temperature gradient / KRM 150 kenotron

ABSTRACT: A three-electrode electron gun was developed for zone refining. The addition of the third electrode (an accelerating one) eliminated the earlier problem of contaminating the specimen and coating the gun filament, thereby speeding its burnout. The electron gun (see Fig. 1 on the Enclosure) was modeled on a rubber membrane. The diaphragm (2) is fastened to the movable cylinder (1). Below the diaphragm is an annular accelerating electrode (3). The lower diaphragm (4) moves in respect to the cylinder (5). The cathode unit (made from tantalum) is fastened to insulators by a collar (6). The filament of the heater (7) is shielded from the specimen-anode (8) on one side by the diaphragm (2) and on the other by the diaphragm (4). The accelerating electrode is fed +46 kv, thereby

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ACCESSION NR: AP5014496

reducing the work function of the heater. Diaphragm (2) protects the accelerating electrode (3) from the electrons which are directed in a beam to the molten zone. A melting temperature gradient can be created by focusing the beam through the movements of cylinder (1) and the diaphragm (4). The accelerator electrode also acts as an anode current modulator and gives a practically inertia-free regulation of the thermal condition. In the power stabilizer (see Fig. 2 on the Enclosure) the specimen (1) is the anode and the filament (2) the cathode. The anode current passing through the current collector (3) creates a voltage in the comparison unit (4), where a signal also arrives from the adjustment unit (5). The adjusting signal is sent from (4) to the regulating cascade (6), changing the resistance. This changes the voltage distribution in the voltage divider (7) and the voltage in the control electrode (8). The anode output characteristic is maintained rather rigidly by using a high-voltage x-ray transformer of 2 kw power, with a bridge of four KRM-150 kenertrons, as the anode voltage source. The gun operation is recorded by an electronic potentiometer (9). Orig. art. has: 2 figures.

ASSOCIATION: Institut fiziki tverdogo tela i poluprovodnikov, Akademii nauk BSSR
(Institute of Physics of Solids and Semiconductors, Academy of Sciences, BSSR)

SUBMITTED: 00

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SUB CODE: EC, MM

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OTHER: 003

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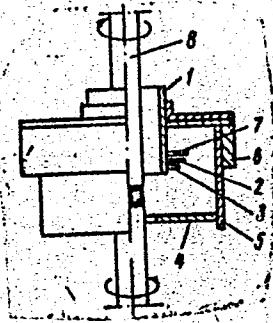


Fig. 1.
Sketch of a three-electrode electron gun

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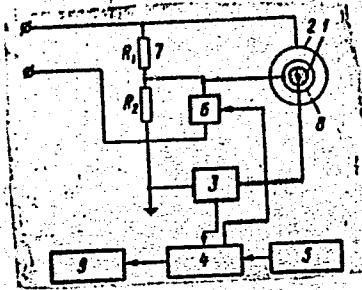


Fig. 2.
Block diagram of the power regulator

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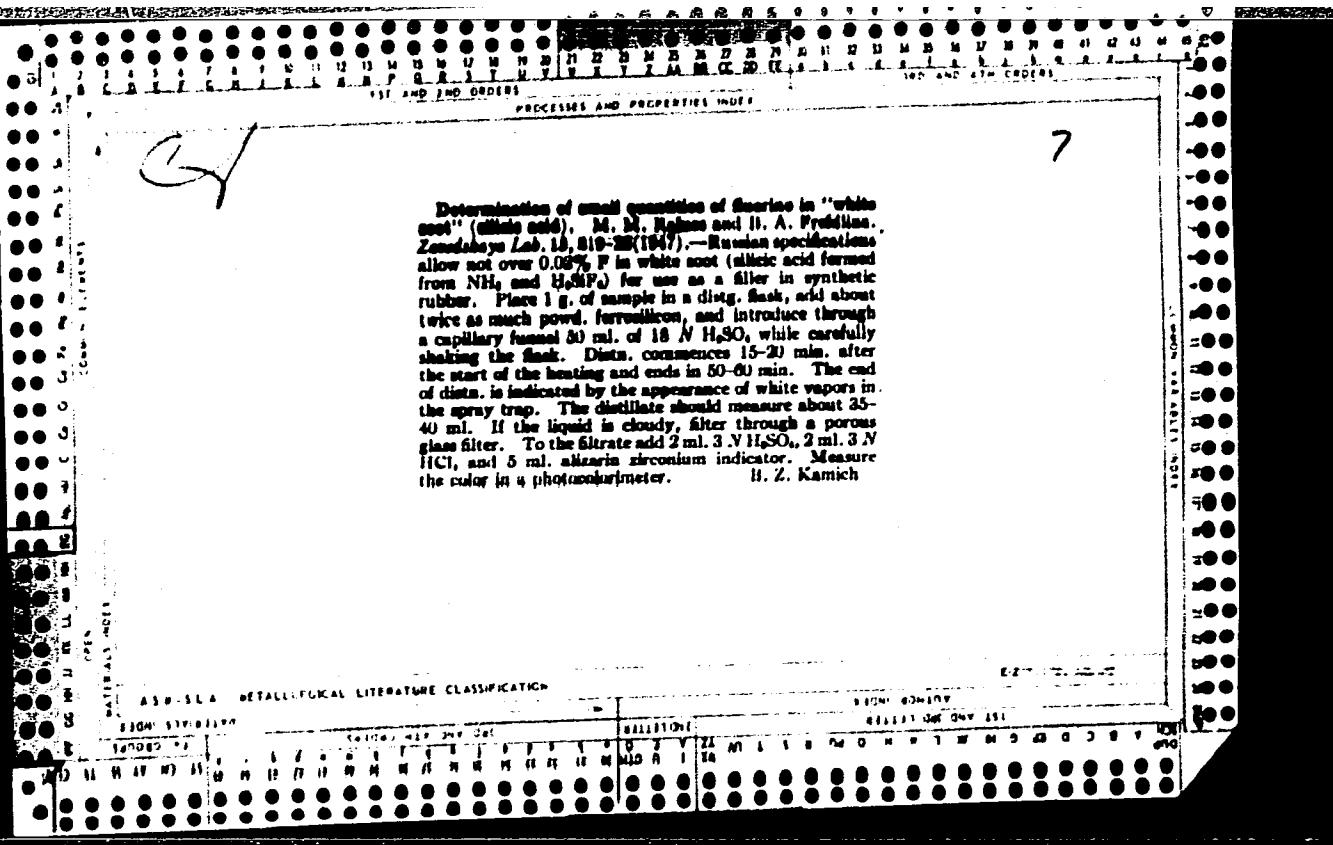
PROCEDURES AND METHODS INDEX

Photocolorimetric determination of fluorine in the air with zirconium-alizarin. M. M. Raines and S. V. Kazachkova. *J. Applied Chem. (U. S. S. R.)* 13, 153-6 (in French, 150) (1940).—Treat sample of air contg. F with 0.5 cc. each of Zr-alizarin indicator, 3 N H₂SO₄ and 3 N HCl in a volumetric flask. Add water to the mark, heat to boiling under a reflux condenser and cool rapidly.

After 10 min. det. F with the photocolorimeter. To prep. the indicator, mix equal vols. of Zr(NO₃)₄ (0.87 g. per 100 cc. of water) and Na alizarinsulfonate (0.17 g. per 100 cc. of water). If interfering substances are present, F should be distd. as H₂Sif₄ from the soln. after addn. of the above reagents and the distillate should be treated again as above. For the detn. of F a standard curve should be constructed by using various amts. of F soln. of known concn. By this method 0.001-0.002 mg. of F can be detd.

A. A. Podgorny

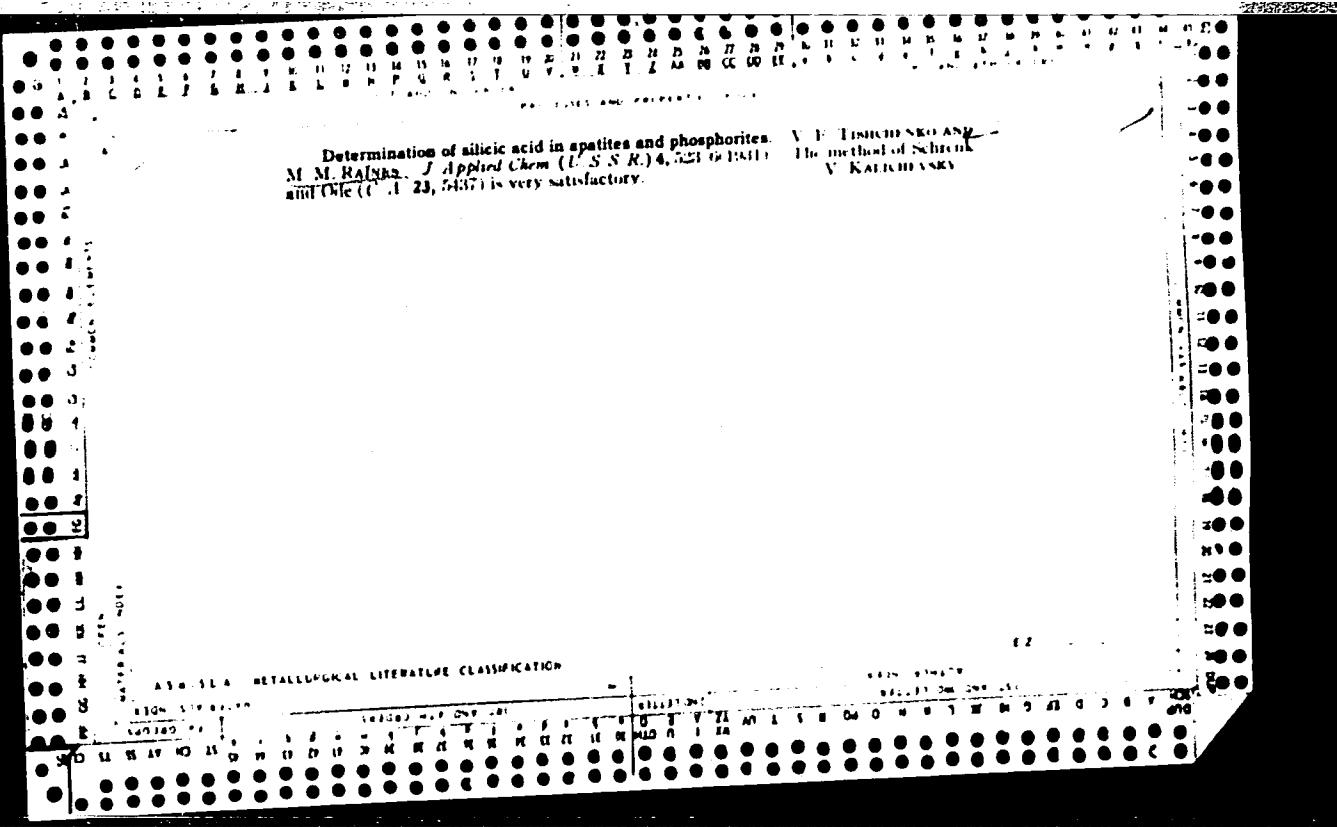
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<p><i>(Signature)</i></p> <p>Determination of water in liquid hydrogen fluoride. M. M. Rainey, Zarodskaya Lab. 14, 244-6(1949).— Procedure: Sat. 48 g. of dry pyridine with SO₂ until it gains 14 g. in wt. Add a soln. of 13 g. I in 150 ml. abs. MeOH; standardize the reagent against MeOH contg. a known quantity of H₂O. In a Bakelite cylindrical vessel with a screw-cap carrying a perforated baffle, place 80 ml. of abs. MeOH. Pour the liquid HF into a chilled Cu vessel (below 10°), weigh after closure (Cu lid), and place the Cu container on the perforated baffle of the Bakelite vessel, which is then hermetically closed and inverted several times. After a few min., remove the cover and pour the HF-MeOH soln. into a 100-ml. volumetric flask coated with paraffin. Add dry MeOH to the 100-ml. mark and use 5-10 ml. aliquots for the titration with the Fischer reagent (end point—darkening of soln.). If the soln. is too dark, use potentiometric method with Pt and W electrodes in a closed vessel; the break is 20-25 mv. G. M. Kovolapoff</p>																																																																																																			
<p><i>State that applies Chem.</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="12" style="text-align: left;">ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION</th> </tr> <tr> <th colspan="3" style="text-align: left;">ECONOMIC CLASSIFICATION</th> <th colspan="3" style="text-align: center;">SUBJECT CLASSIFICATION</th> <th colspan="3" style="text-align: right;">ECONOMIC SUBCLASSIFICATION</th> <th colspan="3" style="text-align: right;">SUBJECT SUBCLASSIFICATION</th> </tr> <tr> <th colspan="3" style="text-align: left;">ECONOMIC CLASSIFICATION</th> <th colspan="3" style="text-align: center;">SUBJECT CLASSIFICATION</th> <th colspan="3" style="text-align: right;">ECONOMIC SUBCLASSIFICATION</th> <th colspan="3" style="text-align: right;">SUBJECT SUBCLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1000000000</td> </tr> <tr> <td>1000000000</td> </tr> <tr> <td>1000000000</td> </tr> <tr> <td>1000000000</td> </tr> <tr> <td>1000000000</td> </tr> </tbody> </table>				ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION												ECONOMIC CLASSIFICATION			SUBJECT CLASSIFICATION			ECONOMIC SUBCLASSIFICATION			SUBJECT SUBCLASSIFICATION			ECONOMIC CLASSIFICATION			SUBJECT CLASSIFICATION			ECONOMIC SUBCLASSIFICATION			SUBJECT SUBCLASSIFICATION			1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000	1000000000
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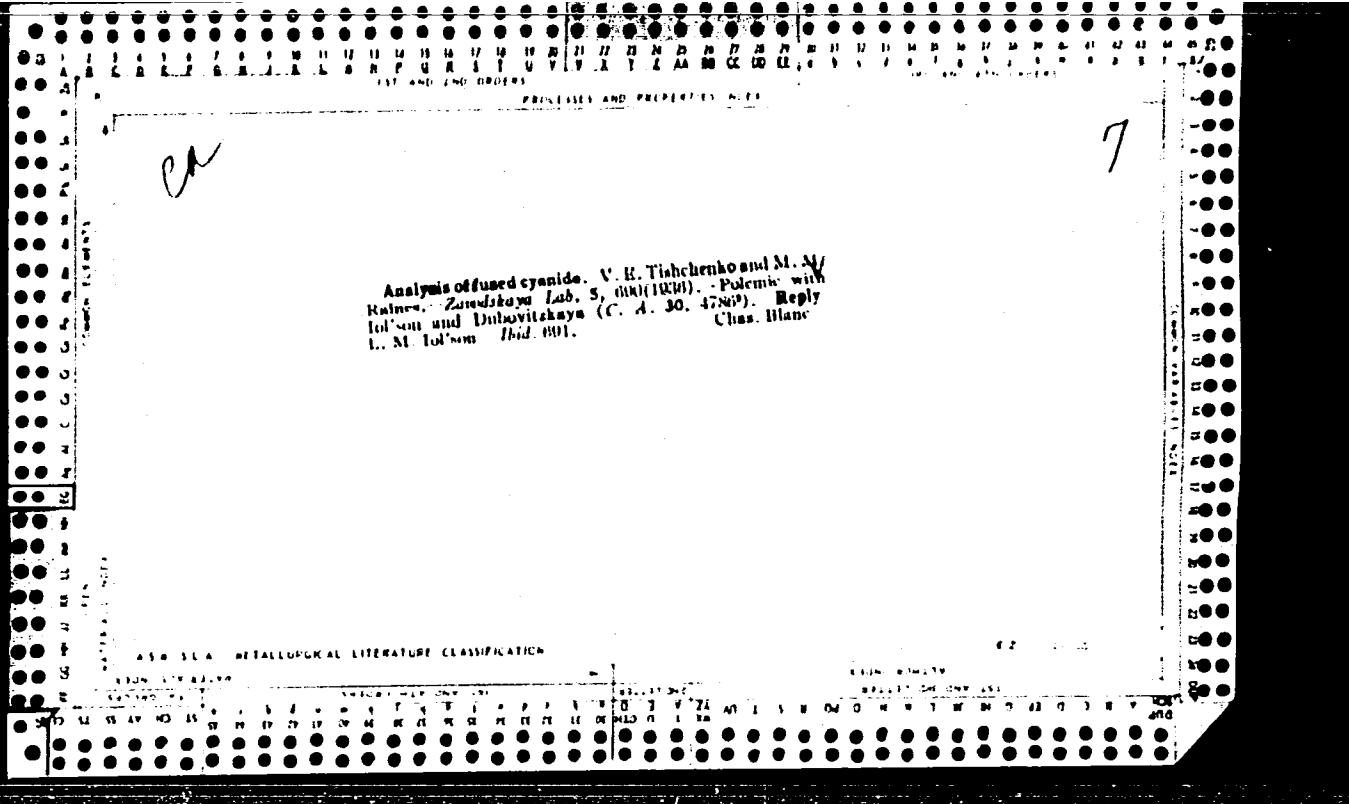
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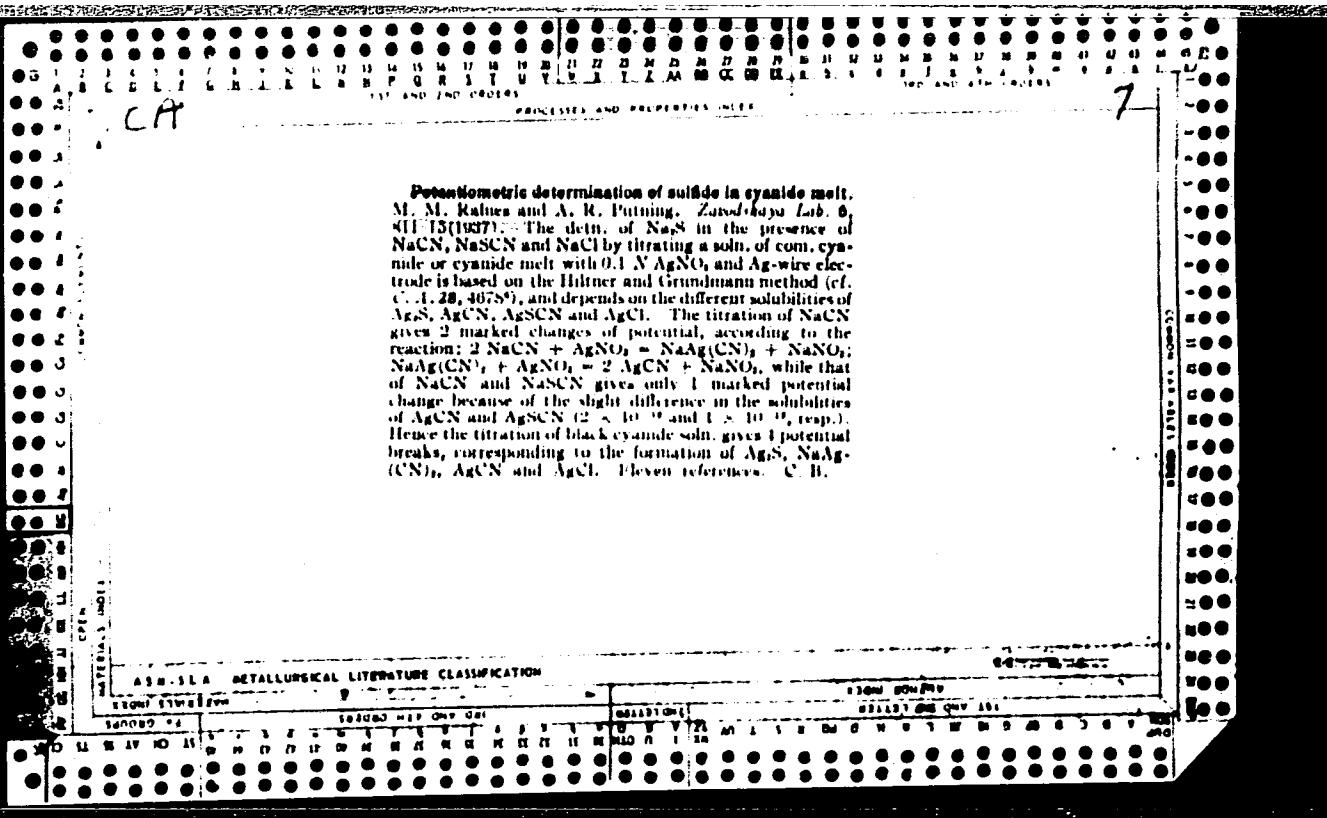
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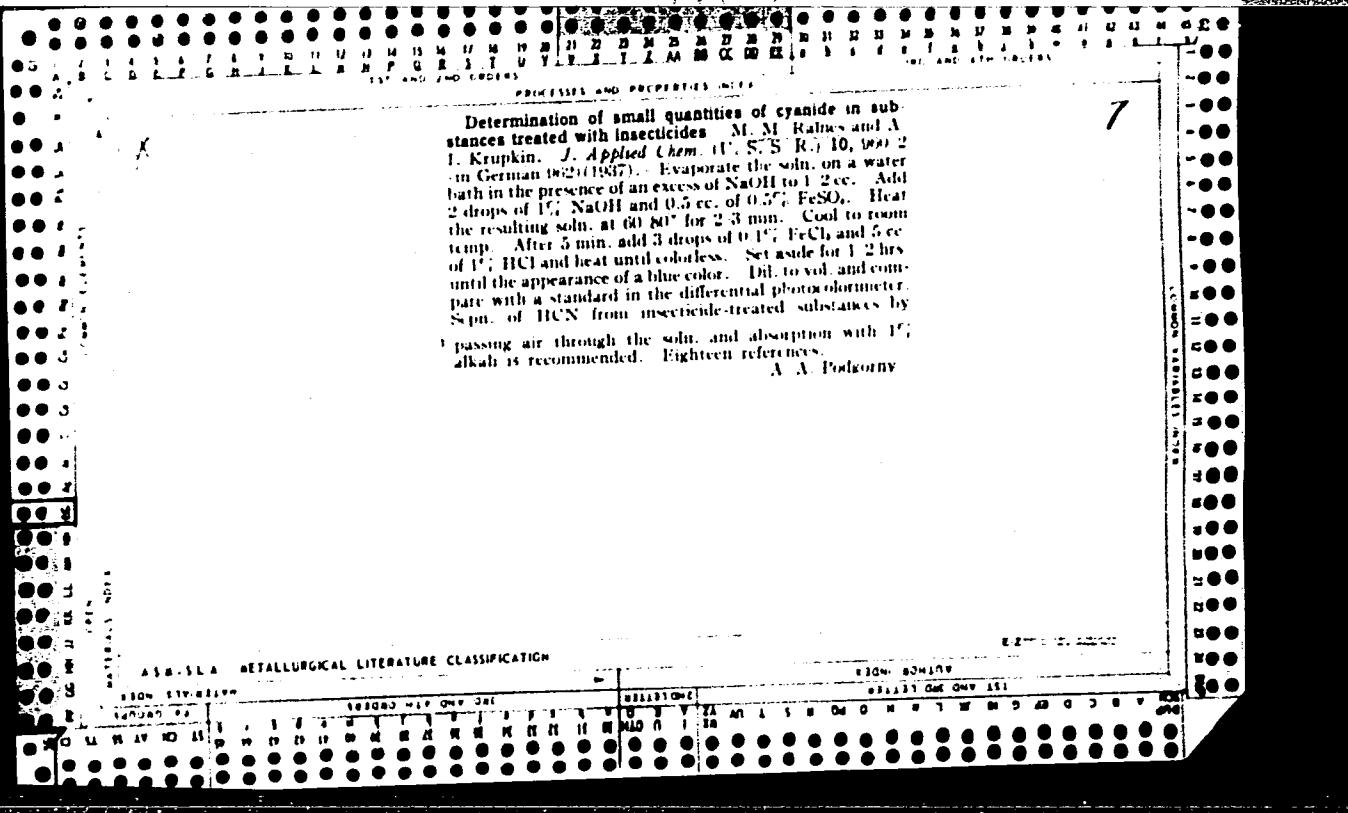
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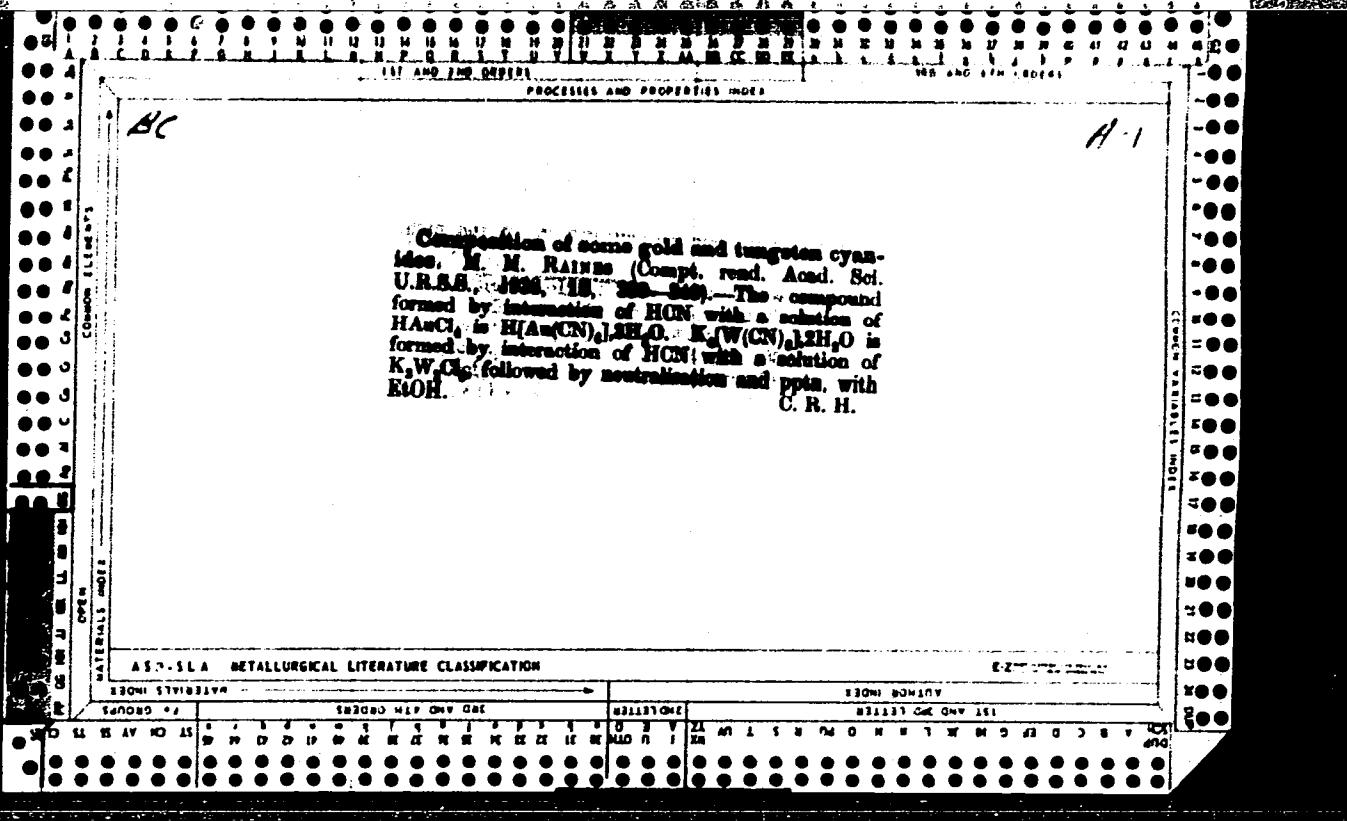
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A combination method for the determination of fluorine in Neva River water - S. A. Moiseev and M. M. Radin. *Higiena i Sanitarija*, S. S. R., No. 7, 31 (1937); *Khim. Referat. Zashch.*, No. 8, 9, 123 (1938). A colorimetric method was developed for the detn. of F in Neva River water (contg. about 0.085 mg/l.). It is a combination of Sonelius-Willard, of Ninter-Bouill, and of Abbott methods (cf. C. A. 31, 7566). The sensitivity and accuracy of the method are 0.02 mg of F/l. of water, usually smaller than the true amt. Potassium can be used instead of Pt containers for conc. of the investigated water. On evap. about 0.01-0.01 mg. more of F/l. is obtained than when Pt containers are used. The proposed method can be used for the detn. of F in waters with different phys. and chem. properties. W. B. Mann

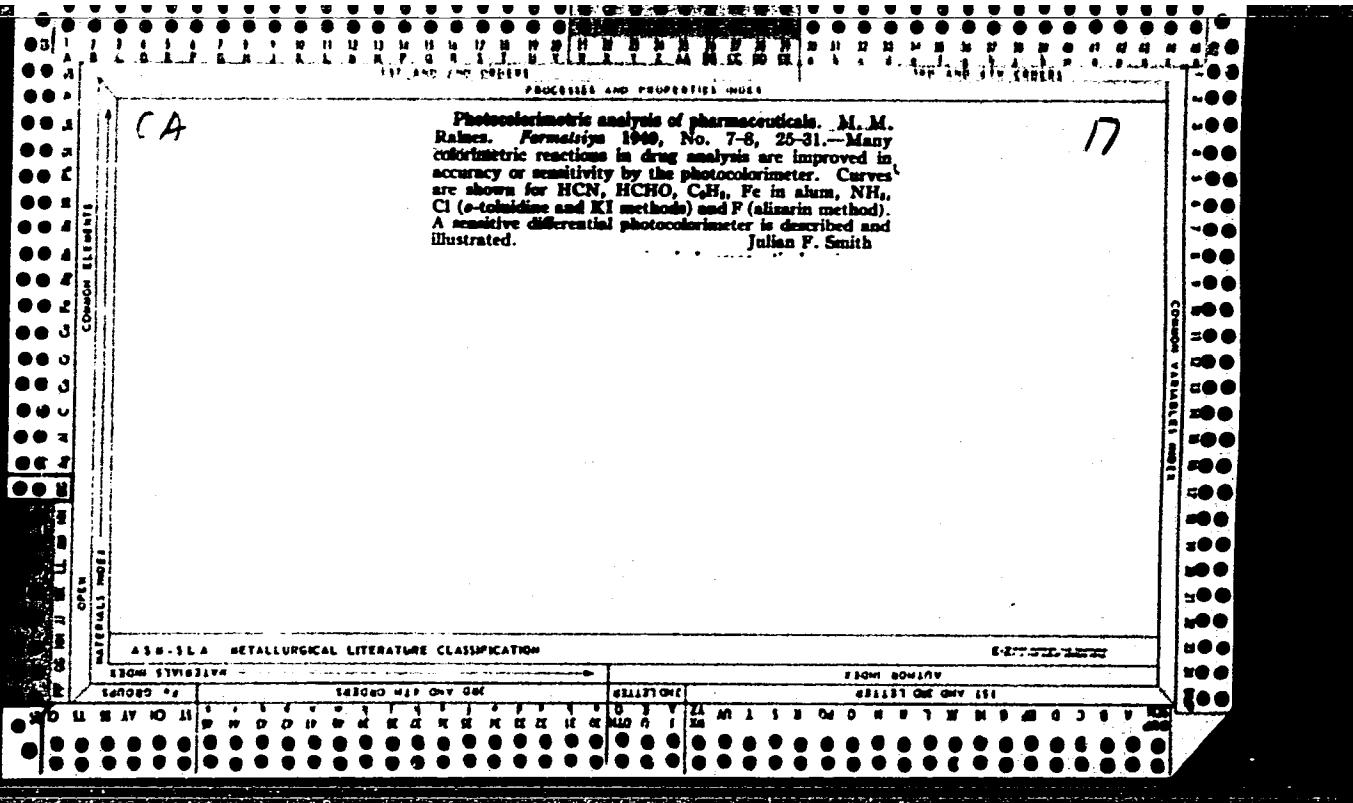


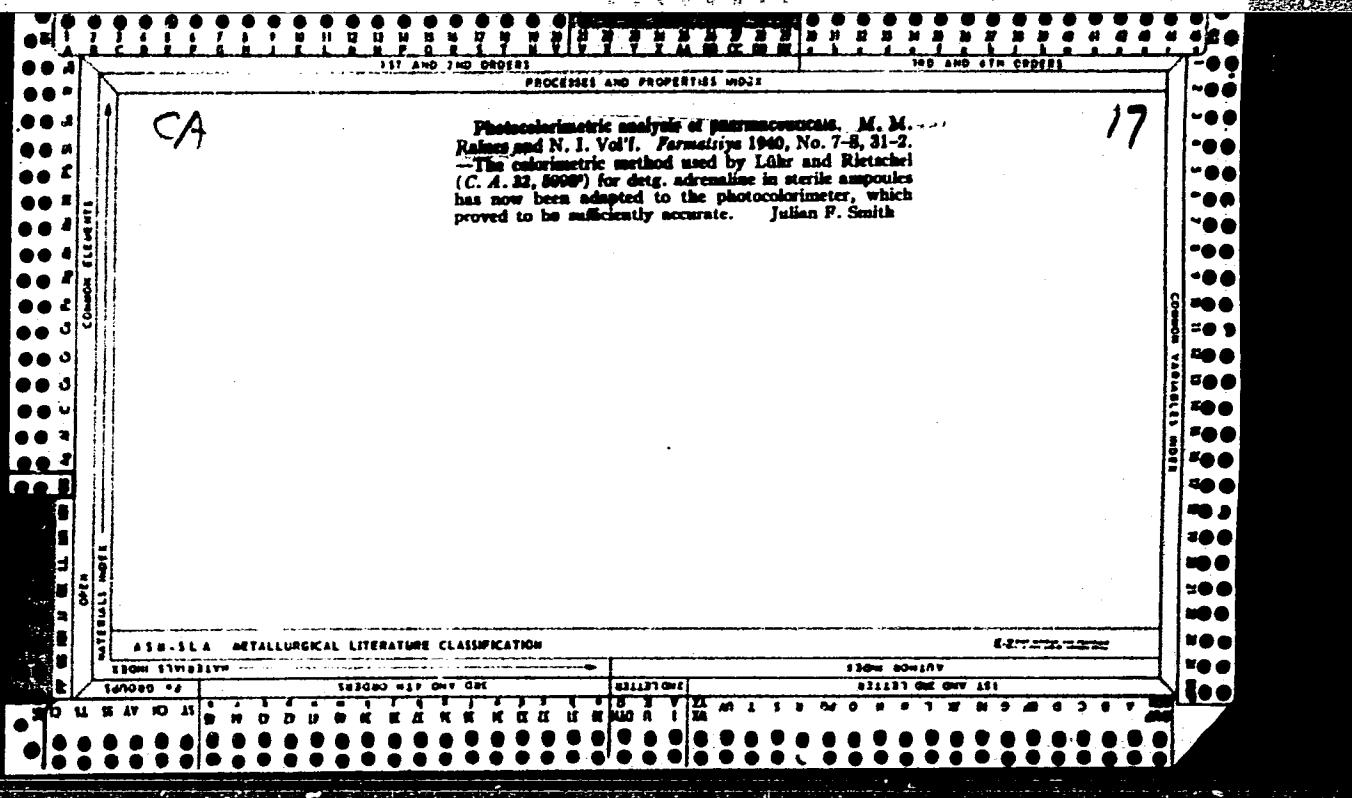


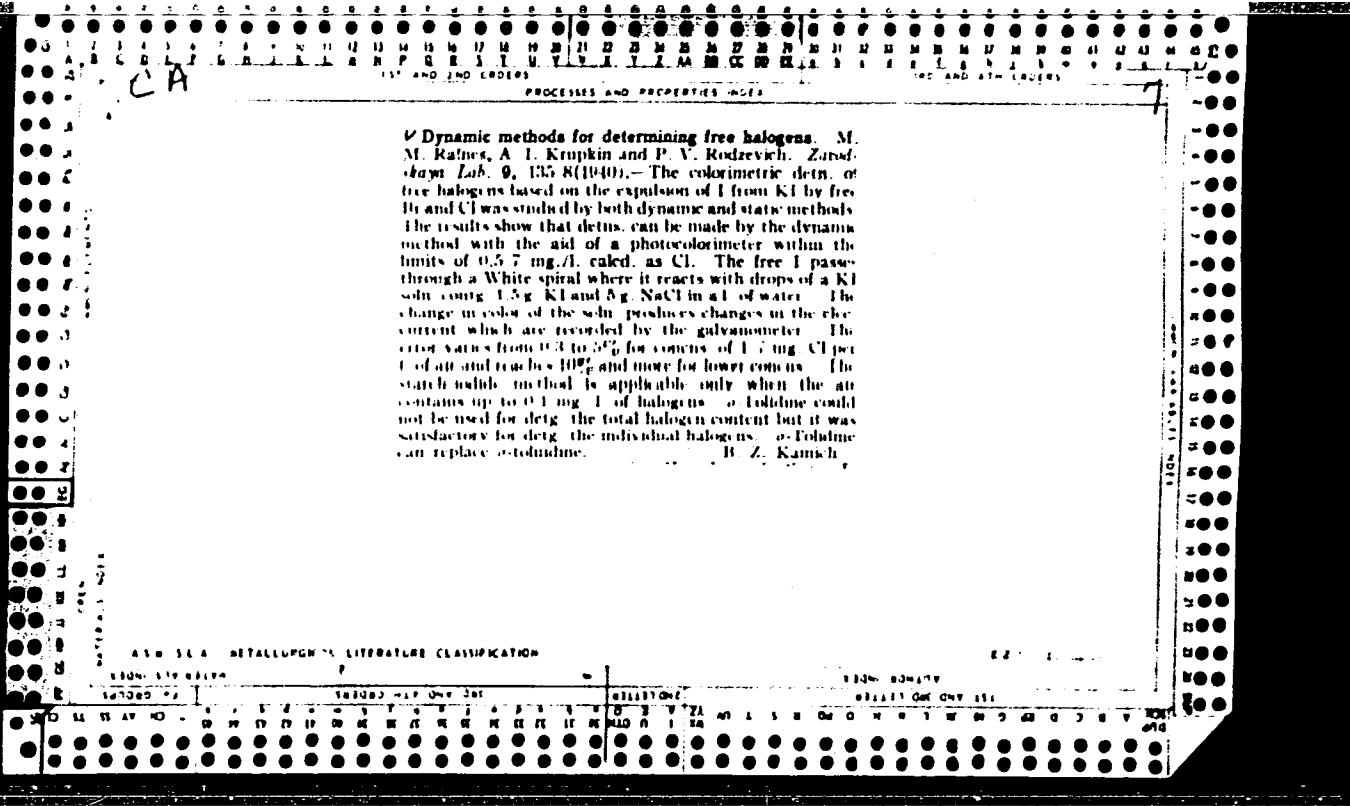
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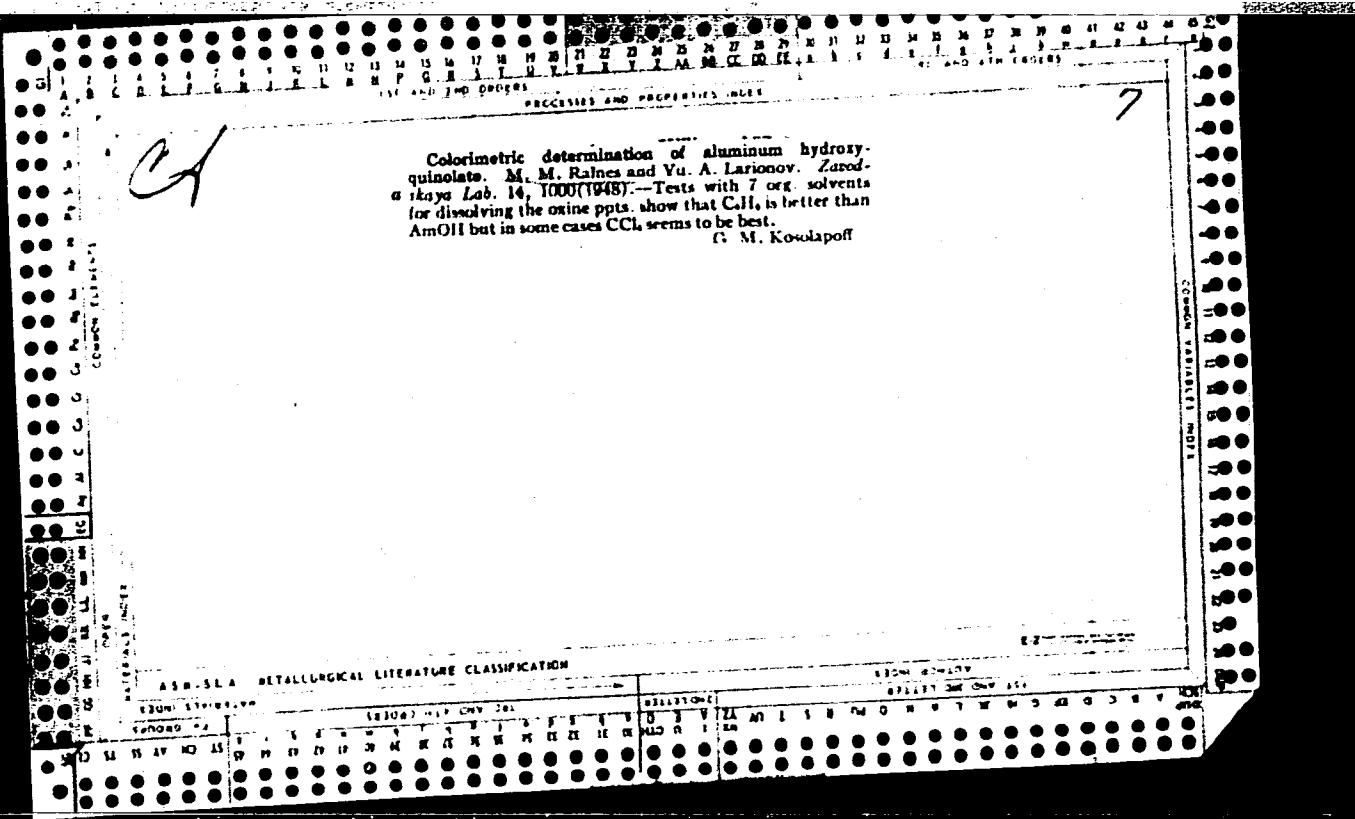
Electrophotometric determination of fluorine in aluminum salts. M. M. Reines and A. I. Krupkin. Zavodskaya Lab. 8, 360-404(1939).—As little as 0.01-2.0 mg. of F in alumina and Al₂(SO₄)₃ was detd. colorimetrically with the photoelec. cell. Two methods were used. A ZrCl₄ soln. was colored with a salt of alizarinsulfonic acid and the bleaching effect of F⁻ measured or the color was produced from Ti⁺⁺⁺ and H₂O₂ and bleached. The F⁻ was distd. from Al₂(SO₄)₃ by the Tananaev method (cf. C. A. 29, 1741) but FeSi was used in place of Cr₂O₇.
B. Z. Kamch

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION









-A

7

Potentiometric titration of technical mixtures of acetic acid and acetic anhydride produced from acetone. M. M. Ral'ya and Yu. A. Larionov (State Inst. Applied Chem., Moscow) Zavodskaya Lab. 15, 48 41 (1940). The AcOH + Ac₂O is detd. by titration with aq. NaOH. The PhNHAc formed is not hydrolyzed by aq. NaOH. Complete binding of the Ac₂O requires twice the stoichiometric amt. of PhNH₂. The titration can be carried out in the presence of Me₂CO and of tarry substances which exclude the use of color indicators. A nomogram is given for detg. the AcOH and Ac₂O contents from the titrations.

N. Thon

RAYNES, M.M.

✓ Direct potentiometric titration of fluoride. M. M.
Raynes, O. I. Pirogova, and M. V. Andreeva. Zaretskaya
Lab. 21, 182-4 (1955). For accurate potentiometric titra-
tion of F- with Th(NO₃)₄, a pH of 8.7 must be maintained
by the addn. of a buffer soln. of sulfanilic acid and K
-sulfonate. W. M. Sternberg

state Inst. Applied Chem.

RAYNES, M.M.; LARIONOV, Yu.A.

Application of qualitative reactions to the colorimetric determination of copper and nickel. Trudy Kom.anal.khim. 7:295-299 '56. (MIRA 9:9)
(Colorimetry) (Copper) (Nickel)

RAYNUS, E.S.; KAPLUNOV, Z.V.

Large-panel housing construction in Leningrad. Biul.tekh.inform.
3 no.1:7-11 Ja '57. (MIRA 10:10)

1.Glavnyy inzhener stroytresta No.3 (for Raynus). 2.Glavnyy
inzhener byuro tipovogo proyektirovaniya instituta Lenproyekt
(for Kaplunov)
(Leningrad--Apartment houses)

RAYNUS, E.S.

Economical aspects of using large panels in building. Biul.tekh.
(MIRA 10:10)
inform. 3 no.5:10-13 '57.

1. Glavnnyy inzhener stroytresta No.3 [Leningrad].
(Leningrad--Buildings, Prefabricated)

USSR/Analytical Chemistry - Analysis of Inorganic Substances, G-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1215

Author: Raynes, M. M., and Larionov, Yu. A.

Institution: Academy of Sciences USSR

Title: Utilization of Qualitative Reactions in the Colorimetric Determination
of Copper and Nickel

Original
Periodical: Tr. komis. po analit. khimii AN SSSR, 1956, Vol 7, No 10, 295-299

Abstract: The microchemical method for the detection of Cu based on the latter's catalytic effect on the oxidation of hydroquinone by H_2O_2 in the presence of pyridine was used in the photocolorimetric determination of Cu. The experiments were carried out with a type LIOT photocolorimeter with a photoelectric cell. The thickness of the test sample is 10 cm and the capacity of the cuvette is 4 ml. The extinction was calculated from the photocurrent measurements. To 10 ml of a solution of $CuSO_4$ containing 0.2-5 mg/l Cu, one milliliter of 0.1% hydroquinone, H_2O_2 and 5% pyridine each are added. After 10 minutes one

Card 1/2

USSR/Analytical Chemistry - Analysis of Inorganic Substances, G-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1215

Abstract: milliliter of 5% CH_3COOH is added, after which the sample is immediately placed in the colorimeter and its color measured with a blue filter. Insignificant amounts of Ni and Fe do not interfere with the determination. The optimum pH value is 3-3.5. For the determination of Ni, one drop of reagent (prepared by heating to boiling a mixture of 3.75 ml 40% CH_2O , 3.5 gms $\text{NH}_2\text{OH}\cdot\text{HCl}$, and 3.75 ml water) and 0.4-1.0 ml 1 N NaOH are added to 10 ml of the solution to be analyzed. No filter is used.

Card 2/2

RAYNES, M. M.

1,892. Use of qualitative reactions for the colorimetric determination of copper and nickel. M. M. Raynes and Yu. A. Lur'ionov. *Izv. Akad. Nauk. SSSR, Khim. Khim. Nauk.*, 1958, 7 (10), 295-299. Ref. *Zhur. Khim. 1957, Abstr. No. 1215.* — The microchemical reaction for the detection of Cu, based on its catalytic action on the oxidation of quinol with H_2O_2 in the presence of pyridine, may be used for the photometric determination of Cu. To 10 ml of a $CuSO_4$ soln., containing 0.2 to 5 mg per litre of Cu, add 1 ml each of a 0.1% soln. of quinol, H_2O_2 and a 5% soln. of pyridine. After 10 min. add 1 ml of 5% acetic acid and immediately measure the extinction with a blue filter. Small quantities of Ni and Fe do not interfere. The optimum value for the pH is 3 to 3.6. To determine Ni, add to 10 ml of the soln. one drop of reagent (prepared by heating to boiling-point a mixture of 3.75 ml of 40% formaldehyde, 3.6 g of hydroxylamine hydrochloride and 3.75 ml of water), and 0.4 to 1.0 ml of N . NaOH. Measure the extinction without a filter. C. D. Korkin

RAYSKINA, M.Ye.

4221. Amount of creatine phosphate in the heart in cardiac insufficiency. M. E. Raiskina *Bull. chifey. Biol. Med.*, 1955, 39, 14-42; *Referat Zh. Biol.*, 1956, Alstr. No. 50,736.—In insufficient circulation through the heart muscle of the dog, the amount of creatine phosphate in 2 experiments was 0 and in one experiment 3.4 mg.%; in the control group it was 18 mg.% (the experiments were carried out on the heart-lung preparation). Changes in the content of ATP and inorg. phosphate were significantly less. Cardiac insufficiency is connected with diminution in the content of creatine phosphate in the heart. (Russian) D. H. Smyth

Mem

RAYSKINA, M. Ye.

Med
Investigation of phosphorus metabolism in dog heart with
the aid of irradiated phosphorus. II. Effect of Pavlov's
accelerated nerve upon the speed of resynthesis of phos-
phorus compounds in dog's heart. M. B. Ralskina. Bull.
Expt. Biol. and Med. (U.S.S.R.) 41, 421-4 (1956) (English
translation). See C.A. 50, 14925d. B.M.W.

RAYNES, R. L.

PA 187T78

USSR/Physics - Telemechanics

Mar/Apr 51

"Defense Against Distortions of the Time Parameter in Tele-Control Systems," R. L. Raynes, Cen Sci Res Elec Eng Lab, Min of Elec Power Stations USSR

"Avtomat i Telemekh" Vol XII, No 2, pp 160-171

Describes reasons for one of the methods of protecting the time criterion, which method is convenient for any installations connected with tele-control and tele-signalization with time parameters. Submitted 30 Aug 50.

187T78

GAVRILOV, M.A., otvetstvennyy redaktor; IL'IN, V.A., redaktor; KRASIVSKIY, S.P., redaktor; KURDYUKOV, K.P., redaktor; MALOV, V.S., redaktor; RAYNES, R.L., redaktor; BRYLEYEV, A.M., redaktor; ORAKOVA, Ye.D., tekhnicheskiy redaktor

[Telemechanics in power engineering systems] Telemekhanizatsiya energosistem; materialy soveshchaniia 1952 g. po telemekhanizatsii energosistem. Moskva, Izd-vo Akademii nauk SSSR, 1954. 213 p.

(MLRA 8:3)

1. Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki.
(Remote control) (Electric power)